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Question Paper Code	12783
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B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2024

Sixth Semester

Information Technology

20ITPC601 - CLOUD COMPUTING AND VIRTUALIZATION

Regulations - 2020

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

	Marks	K- Level	CO
1. Define Cloud Computing.	2	K1	CO1
2. What are the data storage techniques?	2	K1	CO1
3. List the services provided by cloud computing stack.	2	K2	CO2
4. What is a Community Cloud?	2	K2	CO2
5. What are the Pros and Cons of Mobile cloud Computing?	2	K1	CO3
6. State the Key components of Mobile Cloud Computing.	2	K1	CO3
7. Write the functions of Azure.	2	K1	CO4
8. Define FaaS, BaaS.	2	K2	CO4
9. Write the Evolution of Mobile Networks.	2	K2	CO5
10. Write short notes on Sensor Cloud.	2	K2	CO5

PART - B (5 × 16 = 80 Marks)

Answer Any Five Questions

11. Describe in detail about the evolution of cloud computing.	16	K2	CO1
12. Elaborate the various deployment models and reference models of cloud computing.	16	K2	CO1
13. Discuss the Infrastructure-as-a-Service, Platform as a service and Software as a service	16	K3	CO2
14. Explain in detail about Parallel Database Architectures and its approaches.	16	K3	CO3
15. Explain in detail about the Basic Component Security.	16	K2	CO4
16. Classify the Mobile Cloud Computing Challenges.	16	K3	CO5
17. Define Docker. Explain its architecture in detail.	16	K3	CO5
18. What is Migration? Explain in detail about VM migration and Migration Strategies.	16	K2	CO6